



# Standards *Actions*

## DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSMs) will provide selected reviewers with copies for comment. The full text of these documents is available on the Technical Standards Program (TSP) Internet Site at the URL shown at the bottom of this page. If you wish to comment on these documents, please notify your TSM.

- *Guidance for Nuclear Criticality Safety Engineer Training and Qualification*, SAFT-0070, Jerry McKamy, EH-34, 301-903-8031, [Jerry.McKamy@eh.doe.gov](mailto:Jerry.McKamy@eh.doe.gov). Comments are due June 19, 1999.
- *Review Guide for Criticality Safety Evaluations*, SAFT-0071, Jerry McKamy, EH-34, 301-903-8031, [Jerry.McKamy@eh.doe.gov](mailto:Jerry.McKamy@eh.doe.gov). Comments are due June 19, 1999.

## DOE Documents Recently Published

### The following DOE documents have recently been published:

- DOE-STD-1090-99, *Hoisting and Rigging* (Formerly Hoisting and Rigging Manual), March 1999 (superseding DOE-STD-1090-96, September 1996).
- DOE-STD-1111-98, *The Department of Energy Laboratory Accreditation Program Administration*, December 1998.
- DOE-STD-1112-98, *The Department of Energy Laboratory Accreditation Program for Radiobioassay*, December 1998.
- DOE-HDBK-1129-99, *Tritium Handling and Safe Storage*, March 1999.
- DOE-HDBK-1131-98, *General Employee Radiological Training*, December 1998.

DOE employees and DOE contractors may obtain copies from the ES&H Technical Information Services, U.S. Department of Energy; telephone 1-800-473-4375 or FAX 301-903-9823.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; telephone 703-605-6000 or FAX 703-321-8547.

Copies of DOE technical standards (i.e., DOE Standards, Specifications, Handbooks, and Technical Standards Lists) are also available on the Internet at the address shown at the bottom of this page. The "recently published" documents listed above were added to the TSP Internet Site.

## Technical Standards Program Document Status as of 4/30/99

In Conversion	In Preparation	Out for Comment	Published in Past 30 Days
4	48	15	5

**Total in process = 63**

## Non-Government Standards

### American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Please note that distribution of *ANSI Standards Action* is normally made only to individual members of ANSI or in group mailings to site members of ANSI. For information on site membership, ask your local ANSI contact. For information on

individual or group ANSI membership, call Susan Bose at 212-642-4948, Email [sbose@ansi.org](mailto:sbose@ansi.org). For further information on distribution policies of ANSI publications, call the ANSI distribution manager at 212-642-4952.

Copies of *ANSI Standards Action* and ANSI-published documents may be obtained from ANSI, 11 West 42nd Street, New York, NY 10036 (212-642-4900, FAX 212-302-1286). Comments on listed draft standards may be submitted by contacting the standards developing organization for information.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a complete listing of changes and new publications, standards developing organizations, and additional information about submitting comments. Additional information on ANSI activities and available non-Government standards can be found on the ANSI Internet site (<http://www.ansi.org>) or through the National Standards System Network (<http://www.nssn.org>).

### The following American National Standards are currently in coordination:

- AMCA 320-97, *Laboratory Method for Sound Testing of Fans Using Sound Intensity* (new standard); comments due June 8, 1999.
- ANS 3.11, *Determining Meteorological Information at Nuclear Facilities* (new standard); comments due May 25, 1999.



- ASTM E1368, *Practice for Visual Inspection of Asbestos Abatement Projects* (revision of ANSI/ASTM E1368-98); comments due June 8, 1999.
  - ASTM Z0889Z, *Method of Tests for Fire Door Assemblies Under Positive Pressure* (new standard); comments due June 22, 1999.
  - ASTM Z4947Z, *Test Method for Evaluating Fenestration Components and Assemblies for Resistance to Impact Energies* (new standard); comments due June 8, 1999.
  - ASTM Z5757Z, *Specification for Special Engineered PVC or CPVC Fittings or Appurtenances for Use in Systems Conveying Water Under Pressure* (new standard); comments due May 25, 1999.
  - ASTM Z6788Z, *Test Method for Evaluating Connectability Characteristics of Electrical Conductor Materials* (new standard); comments due June 22, 1999.
  - ASTM Z6907Z, *Specification for Factory Assembled Anodeless Risers and Transition Fittings in Polyethylene (PE) Fuel Gas Distribution Systems* (new standard); comments due May 25, 1999.
  - ASTM Z7022Z, *Practice for Computed Radiology (Photostimulable Luminescence Method)* (new standard); comments due June 8, 1999.
  - ASTM Z7242Z, *Specification for Rating the Durability of Fenestration Products* (new standard); comments due June 8, 1999.
  - ASTM Z7243Z, *Test Method for Determining the Effects of Temperature Cycling on Fenestration Products* (new standard); comments due June 8, 1999.
  - ASTM Z7245Z, *Practice for Constructing Fast Diagrams and Performing Function Analysis During Value Analysis Study* (new standard); comments due June 8, 1999.
  - ASTM Z7268Z, *Practice for Rehabilitation of Existing Pipelines and Conduits by the Pulled-In-Place Installation of Glass Reinforced Plastic (GRP) Cured-In-Place Thermosetting Resin Pipe (CIPP)* (new standard); comments due May 25, 1999.
  - ASTM Z7382Z, *Test Methods for Atmospheric Leaks Using a Thermal Conductivity Leak Detector* (new standard); comments due June 8, 1999.
  - ASTM Z7486Z, *Test Method for Volumetric and Mass Flow Rate Measurement in a Duct Using Tracer Gas Dilution* (new standard); comments due June 8, 1999.
  - ASTM Z7542Z, *Guide for Estimation of Building Damageability in Earthquakes* (new standard); comments due June 8, 1999.
  - ASTM Z7563Z, *Extension of Data from Fire Endurance Tests* (new standard); comments due June 22, 1999.
  - ASTM Z7745Z, *Guide for Cleaning, Flushing and Purification of Steam, Gas and Hydroelectric Turbine Lubrication Systems* (new standard); comments due May 25, 1999.
  - IEEE 334-1994 (R1999), *Qualifying Continuous Duty Class 1E Motors for Nuclear Power Generating Stations* (new standard); comments due June 22, 1999.
  - N14.2, *Tiedowns for Truck Transport of Radioactive Materials* (new standard); comments due May 25, 1999.
  - NECA 202, *Recommended Practice for Installing Industrial Heat Tracing Systems* (new standard); comments due June 8, 1999.
  - NEMA WC 65, *A Reasoned Approach to Solving Solderability Problems with Tin-Coated and Nickel-Coated Stranded Conductors in High Performance Wire and Cable Applications* (new standard); comments due June 8, 1999.
  - SAE J/ISO 13200-JUN98, *Cranes - Safety Signs and Hazard Pictorials - General Principles* (new standard); comments due May 25, 1999.
  - SAE J599-AUG97, *Lighting Inspection Code* (new standard); comments due May 25, 1999.
  - SAE J820-JUL98, *Crane Hoist Line Speed and Power Test Code* (new standard); comments due May 25, 1999.
  - SAE J845-MAY97, *360 Degree Warning Lamp for Authorized Emergency Maintenance and Service Vehicles* (new standard); comments due May 25, 1999.
  - SAE J999-JUL98, *Crane Boom Hoist Disengaging Device* (new standard); comments due May 25, 1999.
  - UL 109, *Standard for Safety for Tube Fittings for Flammable and Combustible Fluids, Refrigeration Service, and Marine Use* (new standard); comments due June 22, 1999.
  - UL 268, *Smoke Detectors for Fire-Protective Signaling Systems* (new standard); comments due May 25, 1999.
  - UL 305, *Standard for Safety for Panic Hardware* (new standard); comments due June 8, 1999.
  - UL 330, *Standard for Safety for Hose and Hose Assemblies for Dispensing Flammable Liquids* (new standard); comments due June 22, 1999.
  - UL 1660, *Standard for Safety for Liquid-Tight Flexible Non-Metallic Conduit* (new standard); comments due May 25, 1999.
  - UL 2218, *Standard for Safety for Impact Resistance of Prepared Roof Covering Materials* (new standard); comments due May 25, 1999.
- The following international standards are currently in coordination** (comment due dates follow each entry):
- 20A/409/FDIS, *Short-circuit temperature limits of electric cables with rated voltages above 30kV (Um=36 kV)* - June 1, 1999.
  - EN 1089-3:1997/prA1, *Transportable gas cylinders - Gas cylinder identification - Part 3: Colour coding* - June 11, 1999.
  - EN 50014:1997/prAA:1999, *Electrical apparatus for potentially explosive atmospheres - General requirements* - July 17, 1999.
  - ISO/DIS 704, *Terminology work - Principles and methods* - June 26, 1999.
  - ISO/DIS 11064-2, *Ergonomic design of control centres - Part 2: Principles of control suite arrangement* - June 19, 1999.
  - ISO/DIS 12141, *Stationary source emissions - Determination of mass concentration of particulate matter (dust) at low concentrations - Manual gravimetric method* - July 9, 1999.
  - ISO/DIS 13533, *Petroleum and natural gas industries - Drilling and production equipment - Specification for drill-through equipment* - July 9, 1999.
  - ISO/DIS 15686-2, *Buildings - Service life planning - Part 2: Service life prediction principles* - June 26, 1999.
  - prEN 772-1, *Methods of test for masonry units - Part 1: Determination of compressive strength* (for information).
  - prEN 10307, *Non-destructive testing - Ultrasonic testing of austenitic and austenitic-ferritic stainless steel flat products of thickness equal to or greater than 6 mm (reflection method)* - June 7, 1999.

- prEN 12094-2, *Fixed firefighting systems - Components for gas extinguishing systems - Part 2: Requirements and test methods for non-electric automatic control and delay devices* - August 4, 1999.
- prEN 12327, *Gas supply systems - Pressure testing, commissioning and decommissioning procedures - Functional requirements* (for information).
- prEN 13463-1, *Non-electrical equipment for potentially explosive atmospheres - Part 1: Basic methodology and requirements* - July 4, 1999.
- prEN 13465, *Ventilation for buildings - Calculation methods for the determination of air flow rates in dwellings* - June 21, 1999.
- prEN 13467, *Thermal insulating products for building equipment and industrial installations - Determination of dimensions, squareness and linearity of preformed pipe insulation* - August 4, 1999.
- prEN 13493, *Required characteristics for geomembranes and geomembranes-related products used in solid waste storages and waste disposal sites* - June 21, 1999.
- prEN 13501-2, *Fire classification of construction products and building elements - Part 2: Classification using data from fire resistance tests (excluding products for use in ventilation systems)* - August 11, 1999.
- prEN 13529, *Products and systems for the protection and repair of concrete structures - Test method - Resistance to high chemical attack* - August 4, 1999.
- prEN 50132-5, *Alarm systems - CCTV surveillance systems - Part 5: Video transmission* - July 17, 1999.
- prEN ISO 4126-4, *Safety devices for the protection against excessive pressure - Part 4: Pilot operated safety valves* (ISO/DIS 4126-4:1999) - June 11, 1999.
- prEN ISO 5456-1, *Technical drawings - Projection methods - Part 1: Synopsis* (ISO 5456-1:1996) (for information).
- prEN ISO 6284, *Construction drawings - Indication of limit deviations* (ISO 6284:1996) (for information).
- prEN ISO 11064-1, *Ergonomic design of control centres - Part 1: Principles for the design of control centres* (ISO/DIS 11064-1:1999) - June 25, 1999.
- prENV 1090-6, *Execution of steel structures - Part 6: Supplementary rules for stainless steel* (for information).

### American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept., SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (FAX 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (FAX 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672 (FAX 610-832-9666). Additional information on ASTM activities is available on the ASTM Internet site (<http://www.astm.org>). The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

### The following ASTM standards are currently in coordination:

(the due date for all items is May 10, 1999).

- New Standard, *Practice for Loose Placement of Riprap, Spalls, Bedding, and Geotextiles for Erosion Control* (Ref. Z5498Z).
- New Standard, *Practice for Fabrication of Neutron Radiographic Sensitivity Indicators* (Ref. Z5670Z).
- New Standard, *Guide to Purging Methods for Wells Used for Ground-Water Quality Investigations* (Ref. Z6585Z).
- New Standard, *Test Method for Monotonic Compressive Strength Testing of Advanced Ceramics at Ambient Temperature* (Ref. Z7047Z).
- New Standard, *Test Method for Determining the Fire-Endurance of Perimeter Fire Barrier Systems Using the Intermediate-Scale, Multi-Story Test Apparatus* (Ref. Z7211Z).
- New Standard, *Test Method for Determination of Erosion Control Blanket (ECB) Performance in Protecting Hillslopes From Rainfall-Induced Erosion* (Ref. Z7365Z).
- New Standard, *Specification for HFC-236fa, 1, 1, 1, 3, 3, 3-Hexafluoropropane  $CF_3CH_2CF_3$*  (Ref. Z7412Z).
- New Standard, *Guide for the Economic Evaluation of Pollution Prevention Programs* (Ref. Z4781Z).
- New Standard, *Guide for Using the Surface Ground Penetrating Radar Method for Subsurface Investigation* (Ref. Z7547Z).
- New Standard, *Standard on Extension of Data from Fire Endurance Tests* (Ref. Z7563Z).
- New Standard, *Practice for Silt Fence Installation* (Ref. Z7816Z).
- A 20/A 20M-97b, *Specification for General Requirements for Steel Plates for Pressure Vessels* (revised standard).
- D 4150-94, *Terminology Relating to Gaseous Fuels* (revised standard).

### The following newly published standards are available from ASTM:

- B 891-98, *Specification for Seamless and Welded Titanium and Titanium Alloy Condenser and Heat Exchanger Tubes with Integral Fins* (new standard).
- C 150-98, *Specification for Portland Cement* (revised standard).
- C 1398-98, *Test Method for Laboratory Determination of Time Setting of Hydraulic-Cement Mortars Containing Additives for Shotcrete by the Use of Gillmore Needles* (new standard).
- C 1408-98, *Test Method for Carbon (Total) in Uranium Oxide Powders and Pellets by Direct Combustion-Infrared Detection Method* (new standard).
- D 6230-98, *Test Method for Monitoring Ground Movement Using Probe-Type Inclinometers* (new standard).
- D 6268-98, *Practice for Handling, Transportation, and Storage of HFC-125, Pentafluoroethane C* (new standard).
- D 6301-98, *Practice for the Collection of Samples of Filterable and Nonfilterable Matter in Water* (new standard).
- D 6332-98, *Guide for Testing Systems for Measuring Dynamic Responses of Carbon Monoxide Detectors to Gases and Vapors* (new standard).
- E 957-98, *Terminology Relating to Geothermal Energy* (revised standard).

- E 1970-98, *Practice for Statistical Treatment of Thermoanalytical Data* (new standard).

### American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

#### American Welding Society (AWS)

**Office:** 550 N.W. LeJeune Road  
Miami, FL 33126

**Fax:** 305-443-5951

**Contact:** Charles Fassinger, [chuck@aws.org](mailto:chuck@aws.org)

- AWS A2.4, *Standard Symbols for Welding, Brazing, and Nondestructive Examination* (revision of ANSI/AWS A2.4-98).
- AWS G1.10, *Guide for the Evaluation of Hot Gas and Heated Tool Thermoplastic Welds* (new standard).

#### American Society of Mechanical Engineers

**Office:** 3 Park Avenue, 20th Floor  
New York, NY 10016

**Fax:** 212-592-8501

**Contact:** Gerald Eisenberg, [eisenbergg@asme.org](mailto:eisenbergg@asme.org)

- ASME RA-S-1999, *Probabilistic Risk Assessment for Nuclear Power Applications* (new standard).

#### American Society for Testing and Materials

**Office:** 100 Barr Harbor Drive  
West Conshohocken, PA 19428

**Fax:** 610-832-9666

**Contact:** Stephen Mawn, [smawn@astm.org](mailto:smawn@astm.org)

- ASTM Z6908Z, *Test Method for Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements Using Sound Intensity* (new standard).

#### National Electrical Manufacturers Association (NEMA)

**Office:** 1300 North 17th Street  
Suite 1847

Rosslyn, VA 22209

**Fax:** 703-841-3342

**Contact:** Mervis C. Calwise, [mer\\_calwise@nema.org](mailto:mer_calwise@nema.org)

- NEMA VE 1, *Metal Cable Tray Systems* (new standard).

### Comments, Questions, and Addresses

**Comments:** If you have any questions or comments, please contact Rick Serbu, EH-31, Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856, FAX 301-903-6172, Email [Richard.Serbu@eh.doe.gov](mailto:Richard.Serbu@eh.doe.gov).

**Addresses:** To update the distribution list for this publication, please contact Marty Marchbanks, ORNL, 423-241-3658, FAX 423-574-0382, Email [mmf@ornl.gov](mailto:mmf@ornl.gov).

**Technical Standards Activities:** The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 423-574-7886, Email [lj8@ornl.gov](mailto:lj8@ornl.gov).



## Standards *Actions*

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